

PATENT
Serial No. 10/521,854

Amendment in Reply to Office Action of January 18, 2007

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A planar inductance, ~~in particular for monolithic HF oscillators, with~~ comprising:

planar spiral windings, ~~characterized in that each~~ including a winding (1) ~~is in the form of an "eight" shape with a first loop and a second loop, and three cross-conductors (6, 7, 8) carrying current in the same direction and running between two the first loop and the second loops (1a, 1b); and~~

power supply lines extending from opposite sides of the second loop.

2. (Currently amended) A The planar inductance as claimed in claim 1, ~~characterized in that the cross-conductors (6, 7, 8) are located parallel with each other, and the top (8) a cross-conductor~~

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and ~~bottom (6) ones~~ a second cross-conductor are joined to the power supply lines ~~(4, 5)~~ on opposite sides.

3. (Currently amended) ~~A~~ The planar inductance as claimed in claim 1 or 2, ~~characterized in that wherein~~ each eye ~~(9, 10)~~ of the winding is equipped with multiple windings, arranged spirally inside one another, ~~the inner ends (11, 12) of which are inner~~ winding being joined together.

4. (Currently amended) ~~A~~ The planar inductance as claimed in claim 3, ~~characterized in that the~~ a first eye (9) of the a first winding adjacent to which the supply lines ~~(4, 5)~~ run is arranged to be smaller than ~~the other~~ a second eye (10) of a second winding in order to compensate ~~the~~ a magnetic field of the supply lines ~~(4, 5).~~

5. (Currently amended) ~~A~~ The planar inductance as claimed in claim 4, ~~characterized in that wherein~~ an additional metallization plane is provided, and ~~the~~ central conductors are, in part, located one above ~~the other~~ another.

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6. (New) The planar inductance of claim 1, wherein the second loop is smaller than the first loop.

7. (New) The planar inductance of claim 1, wherein a magnetic field of the first loop is substantially compensated by a combined magnetic field of the second loop and the power supply lines.

8. (New) The inductor of claim 1, wherein the first loop and the second loop are on a single plane.

9. (New) An inductor comprising:
a winding having a first loop and a second loop; and
power supply lines extending from opposite sides of the second loop.

10. (New) The inductor of claim 9, wherein a magnetic field of the first loop is substantially compensated by a combined magnetic field of the second loop and the power supply lines.

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11.(New) The inductor of claim 9, wherein the first loop, the second loop and the power supply lines are configured to reduce a magnetic field outside the first loop and the second loop.

12.(New) The inductor of claim 9, wherein the first loop and the second loop are on a single plane.

13.(New) The inductor of claim 9, wherein the power supply lines extend away from opposite sides of the second loop.

14.(New) The inductor of claim 9, further comprising cross conductors between the first loop and the second loop, said cross conductors being configured to carry current in a same direction.

15.(New) The inductor of claim 9, wherein the cross conductors are substantially parallel to each other.

16.(New) The inductor of claim 9, wherein the first loop and the second loop are configured to carry current in opposite directions.